

GENERAL OPERATION:

1. Power on; press [RED BUTTON]
 2. Power off; hold [RED BUTTON]
 3. Scroll through main pages (screens); [PAGE] or [QUIT]
 4. Use [ARROW KEYPAD] to move highlighted cursor.
 5. Use [ENTER] to select a menu item.
 6. Setting changes; highlight setting you wish to change using the [ARROW KEYPAD], press [ENTER], scroll up or down with [ARROW KEYPAD] to desired new setting, press [ENTER] to confirm. Scroll left and right with [ARROW KEYPAD] in fields offering multiple character entries.
 7. [QUIT] can also be used to return to the previous page or restore a previous setting.
 8. Screen backlight; press [RED BUTTON] while unit is on. Press [RED BUTTON] again for incremental illumination.
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INIT METHOD (INITIALIZATION):

A new receiver or one experiencing memory loss, significant geographic relocation, or lack of adequate signal may require initialization. The user may be prompted by a message to choose one of three initialization methods. The SELECT COUNTRY or AUTOLOCATE methods should provide initialization within five minutes. The NO RE-INIT option may be selected in poor signal situations when the receiver has already been initialized.

DATA DEFINITIONS:

Waypoint (a point feature):

A specific location saved to memory. Waypoints can also be used for marking vertices of polygon and line features.

Track (a line feature):

A stream of continuous data saved to memory. Tracks can be used to outline polygon features.

CONFIGURATION AND SETUP:

Review this section and confirm settings before collecting data:

1. [PAGE] to MAIN MENU; highlight SETUP MENU [ENTER]; (on older GPS12XL units, [PAGE] to MENU), then highlight SYSTEM [ENTER];
MODE: Normal
OFFSET: -08:00 (PST); or -07:00 (PDT-Daylight Savings)
The remaining system settings may be set to user preference.
2. Synchronize user wristwatch to GPS time if desired.
3. [PAGE] to MAIN MENU, highlight SETUP MENU [ENTER]; (on older GPS12XL units, [PAGE] to MENU), then highlight NAVIGATION [ENTER];
POSITION FRMT: hddd.ddddd (decimal degrees)
MAP DATUM: NAD27 CONUS
CDI: +/- 0.25 (default)
UNITS: Statute
HEADING: Auto Degrees (compass declination as shown; default GPS12XL bearings are magnetic)

(CONTINUED ON OTHER SIDE)

CONFIGURATION AND SETUP (CONTINUED):

4. [PAGE] to MAIN MENU, highlight SETUP MENU [ENTER] (on older GPS12XL units, [PAGE] to MENU) then highlight INTERFACE [ENTER]; Set first setting below INTERFACE title to GRMN/GRMN.
5. Waypoint management; [PAGE] to MAIN MENU (on older GPS12XL units, [PAGE] to MENU), highlight WAYPOINT LIST [ENTER], all collected waypoints are stored here, where they can individually be renamed and deleted. DELETE WPTS? will erase ALL waypoints in list.
6. Track management; [PAGE] to MAP page (has title of ZM/#|PAN|OPT or ZM/#|PAN|CFG), highlight OPT or CFG [ENTER], TRACK SETUP [ENTER], RECORD: FILL (Recommended - fills track memory and stops) or WRAP (fills memory and then records over old data) indicate track log is currently on and recording, OFF stops recording. METHOD: AUTO (Recommended), TIME INTERVAL will allow user to set desired interval of track data recording. CLEAR LOG?: will erase ALL previous track information and start a new track history. A new track can be started by toggling RECORD: to OFF and then back to FILL or WRAP, or by turning the receiver off and on again.

DATA COLLECTION:

Assess signal strength; [PAGE] to SATELLITE page (has concentric circles, EPE upper right). ACQUIRING = receiver has not acquired enough data for a position. 2D NAV = good signal with at least 3 satellites, 3D NAV = better signal with at least 4 satellites. EPE is an estimated measure of error.

Waypoint:

[MARK] collects waypoint, giving two options to user: SAVE records waypoint to memory, AVERAGE (Recommended) will continue to collect data for the location to produce an average reading. The user should remain in the same location and continue averaging until the FOM (Figure of Merit) value stabilizes, then SAVE the waypoint. Record waypoint numbers on field data sheet.

Track:

If the track log is on, a track is being recorded. See CONFIGURATION AND SETUP for further information.

DATA TRANSFER:

[PAGE] to MAIN MENU (on older GPS12XL units, [PAGE] to MENU); highlight INTERFACE [ENTER], use the GRMN/GRMN setting to download to or upload from Waypoint+ software using data cable. Waypoint+ comma-delimited text files can be used with the AV Garmin ArcView extension. Waypoint+ and AV Garmin software can be downloaded from the following Internet location:
<http://maphost.dfg.ca.gov/adt/download.htm>

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